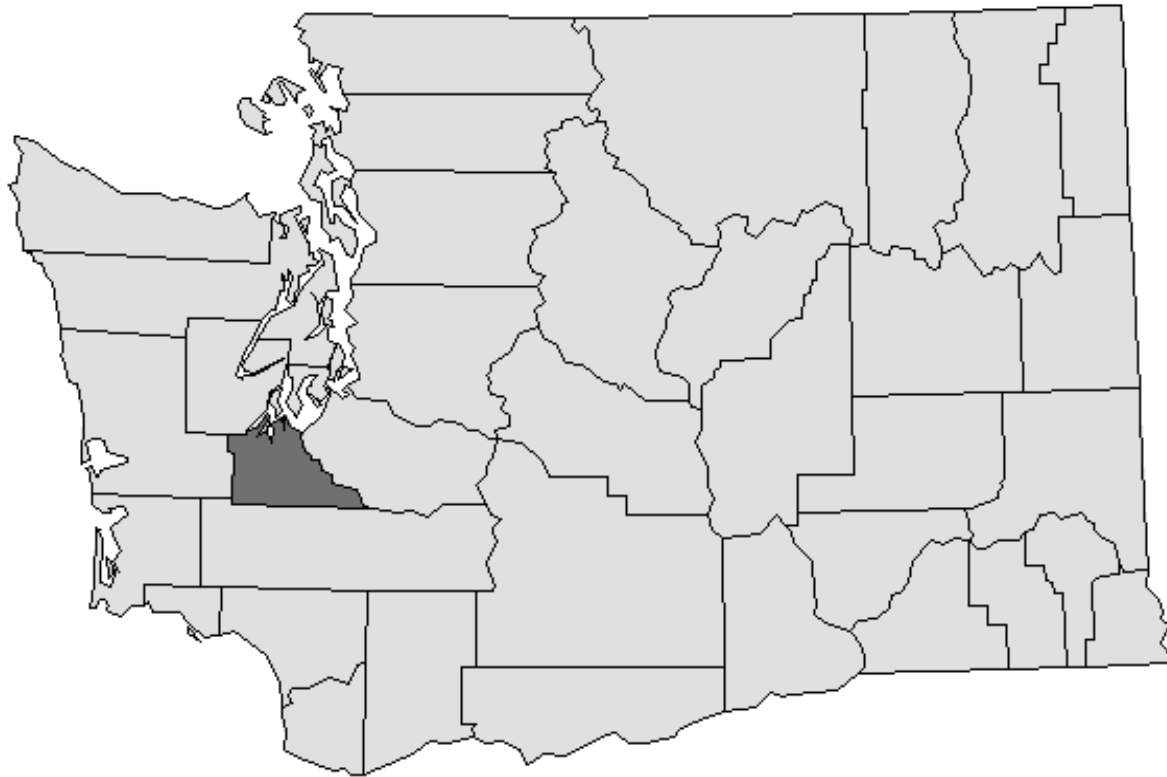


County Profile of Substance Use and Need for Treatment Services in Thurston County



**Washington State Department of
Social and Health Services**

**Division of Alcohol
and Substance Abuse**

Research and Data Analysis

**December 1999
Revised March 2002**

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- * Washington Needs Assessment Household Survey
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- * Service use by demographics
- * Comparisons of need and service use



U.S. DEPARTMENT HEALTH AND HUMAN SERVICES
Substance Abuse and Mental Health Services Administration
Center for Substance Abuse Treatment

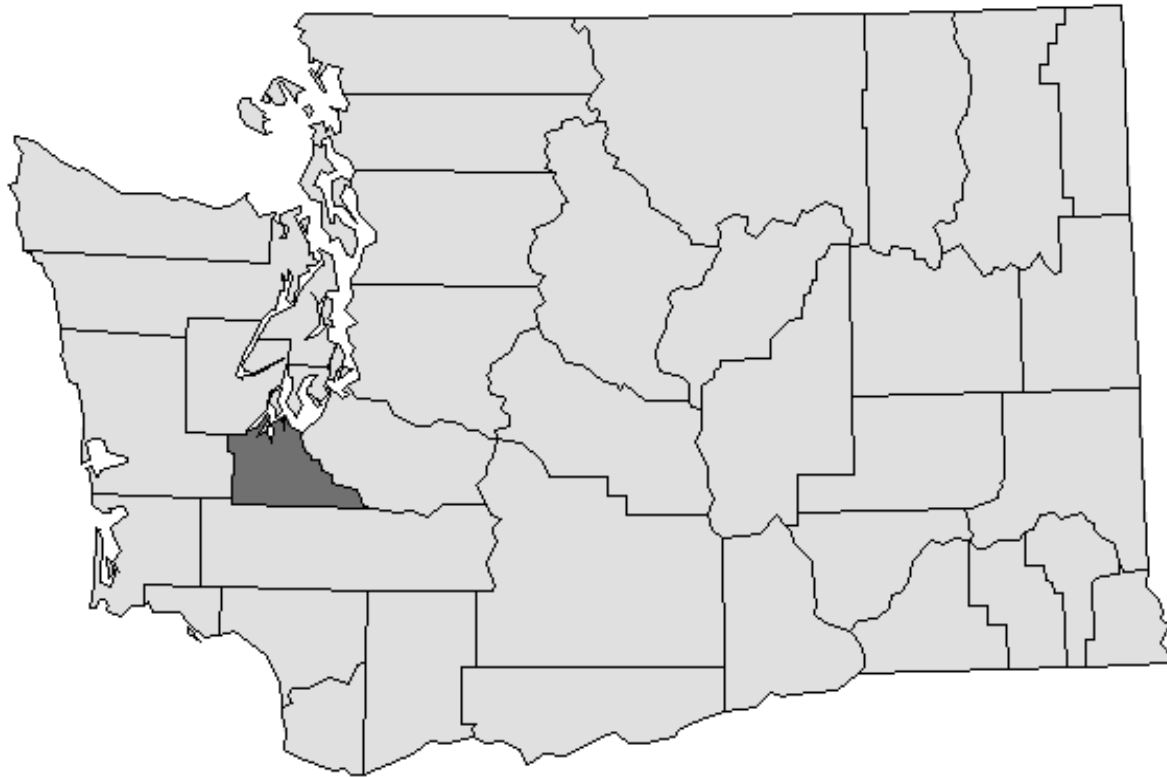
A more expansive version of this report can be found online at:
<http://psy.utmb.edu/estimation/dasa99/report/drugmenu.htm>

Additional copies of this report may be obtained from the
Washington State Alcohol/Drug Clearinghouse
at 1-800-662-9111 (within Washington State) or
206-725-9696 (within Seattle or outside Washington State),
by e-mail at clearinghouse@adhl.org
or by sending a written request to:

Washington State Alcohol/Drug Clearinghouse
3700 Rainier Avenue South, Suite A
Seattle, Washington 98144

This report, originally published in December 1999, was revised in March 2002. Corrections were made to the percentages cited in the text in the last line on page 5 and to the estimated treatment need and the use/need ratio for the 25-44 age group in Table 8 on page 12.

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CSAT

Center for Substance
Abuse Treatment
SAMHSA

Produced under a contract funded by the Center for Substance Abuse Treatment,
Substance Abuse and Mental Health Services Administration,
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The Purpose of This Report

The purpose of this report is to provide local planners and evaluators with information that can be used to compare need for and utilization of substance abuse services in counties and demographic subpopulations. The methods used for these county profiles update and improve upon the analyses presented in the first set of county profiles published in 1996. The new county profiles are also complemented by a more comprehensive report located on the DSHS Internet site which includes more detail on methods and additional breakdowns of results. The shorter county profiles are designed to summarize county-specific information and to be printable for distribution as a paper report. Each county profile provides the following:

- estimates of the demographic characteristics of each county population;
- estimates of substance use, substance use disorder, and need for treatment based on the Washington State Needs Assessment Household Survey (WANAHS);
- service utilization data from the Division of Alcohol and Substance Abuse's treatment assessment database (TARGET); and
- comparisons of need for services and use of services both county-wide and by demographic subgroup

The Washington Needs Assessment Household Survey (WANAHS)

The WANAHS was a statewide survey of over 7,000 adults designed to measure the prevalence of substance use and need for treatment. It was conducted over a 14-month period from September 1993 through October 1994. Funding was provided by a grant from the Federal Center for Substance Abuse Treatment. The Washington State Department of Social and Health Services (DSHS) Research and Data Analysis (RDA) section conducted the project on behalf of the DSHS Division of Alcohol and Substance Abuse. Telephone interviewing was provided by Washington State University's Social and Economic Sciences Center. The WANAHS sample included large numbers of minorities and other special groups in order to facilitate demographic analyses. The WANAHS sample included approximately equal numbers of interviews with African Americans, Asians, Hispanics, American Indians, and non-Hispanic Whites. Additional samples of people living at or below 200% of the Federal Poverty Level (FPL), rural residents, and women were interviewed adding coverage of important, but sometimes overlooked, populations. The survey instrument had questions about current and past use of or dependence on major drugs of abuse. Further details of the interviewing and survey methods are provided in the more detailed on-line report. Upon weighting the WANAHS sample to match the actual population distribution, the survey provides direct statewide estimates of substance use and as well as the need for substance abuse services. A statewide profile is also available as a companion report.

Methods for Estimating County-level Prevalence Rates. In order to derive current county level estimates for substance use, abuse and need for treatment from the statewide survey, it was necessary to construct a demographically specified population matrix for each county against which the statewide survey-based rates could be applied. The population matrix contained counts of persons in all groups defined by age, sex, race, marital status, high school graduation, poverty status (at or below 200% of the Federal Poverty Level), and residence type. The population groups were developed from 1990 U. S. decennial census data and updated with current estimates for age, sex, and race from DSHS. All annual estimated and forecasted population figures are adjusted to match official Washington State population figures from the Office of Financial Management.

The substance use variables from the WANAHS were analyzed by the demographic variables listed above. Logistic regression models estimated rates for each cell in the demographic matrix. Differences

between counties in estimated rates of substance abuse result from the demography of the county. For example, counties with higher proportions of young adults will have higher rates of current substance use than counties with lower proportions of young adults, because young adults are more likely to be using substances. Similarly, since married persons are less likely to report substance use, a county with more married people will have a lower estimate of need. Details for this method, often referred to as synthetic estimation, are provided in a more comprehensive on-line report.

Measures of Substance Use, Substance Use Disorder, and Need for Treatment

The WANAHS obtained measures of use and abuse for many different substances. Those have been presented in previous DASA reports. Some of those measures are also reported here in Tables 2 and 3. Note that tobacco use was not included in the survey. Basic measures of use include having: a) ever used a substance (lifetime use), b) used a substance in the past 12 months (past 18 months for alcohol), and c) used a substance in the past 30 days (current). In addition, the household survey incorporated items and scales from the widely used Diagnostic Interview Schedule (DIS) to assess the substance-related diagnoses of the American Psychiatric Association's Diagnostic and Statistical Manual, Third Edition - Revised (DSM-III-R). Lifetime and past 18 month measures of substance abuse and substance dependence were obtained. Table 1 shows the symptom constructs which are part of the DSM-III-R diagnoses of substance abuse and dependence. Although there have been some changes in the diagnostic criteria with the release of DSM-IV, those are unlikely to greatly affect the present findings.

Table 1. DSM III-R Symptoms of Substance Dependence

Three or more of the following:

1. Substance is often taken in larger amounts or over a longer period than the person intended.
2. Persistent desire or one or more unsuccessful attempts to cut down or control substance use.
3. Great deal of time spent in activities necessary to get the substance, taking the substance or recovering from its effects.
4. Frequent intoxication or withdrawal when expected to fulfill major role obligations or when use is physically hazardous.
5. Important social, occupational or recreational activities given up or reduced because of substance use.
6. Continued use despite knowledge of having a persistent or recurrent social, psychological or physical problem.
7. Marked tolerance or markedly diminished effect with continued use of same amount.
8. Characteristic withdrawal symptoms.
9. Substance often taken to relieve or avoid withdrawal symptoms.

Specific assessment criteria for several measures of problem use are presented below:

DSM-III-R Lifetime Dependence: A person is diagnosed with lifetime dependence if:

1. they have ever had three or more symptoms of dependence, and
2. at least two of those symptoms lasted a month or more or occurred repeatedly over a longer period of time.

DSM-III-R Lifetime Abuse: A person is diagnosed with lifetime abuse if:

1. they do not have a lifetime diagnosis of substance dependence;
2. they have ever continued substance use despite having recurrent social, occupational, psychological or physical problems exacerbated by it OR used repeatedly in situations where use is physically hazardous (determined from a subset of questions used to assess dependence symptoms); and
3. at least one symptom lasted a month or more or occurred repeatedly over a longer period of time.

Past 18 Month Substance Use Disorder: A person is diagnosed with a past 18 month substance use disorder if:

1. they have a diagnosis of lifetime dependence or abuse;
2. they have used a substance in the last 18 months, and
3. they have experienced a DSM-III-R abuse or dependence symptom in the last 18 months.

Past Year Need for Treatment: A respondent needs treatment during the past year if:

1. they have a past 18 month substance use disorder; OR,
2. they "ever had a problem or felt addicted to alcohol or drugs" AND used alcohol or drugs regularly during the past 18 months (i.e. they drank an average of 3 drinks per drinking day at least once per week OR they used marijuana 50 times or more OR they used any other illicit drug 11 times or more); OR,
3. they have received licensed residential or outpatient treatment services during the past 12 months; OR,
4. they have maintained a very high level of alcohol or drug use during the past 18 months (i.e. they drank an average of 4 drinks per drinking day at least 3 to 4 times per week OR they used any illicit drug 50 times or more).

Population Groups for Analysis

Overall prevalence estimates for the various measures of substance use, disorder, and need for treatment in Table 2 and the demographically-specific estimates of treatment need in Table 3 are given for three primary populations of interest:

- **entire adult population** (age 18+) including those living in households, institutions (prisons, hospitals, and nursing homes) and group quarters (military barracks, college dorms, shelters). Residential setting is defined according to the U.S. Bureau of the Census definition. The estimates for this population are based on WANAHS survey rates, except that for the institutional population, particularly those in prison, the rates in the WANAHS survey have been inflated beyond the rates for corresponding demographic cell in the household population to compensate for higher rates in these institutional populations.
- **adult population living in households** regardless of poverty status. Estimates for this column come directly from the WANAHS.
- **adult population living in households and living at or below 200% of the Federal Poverty Level (FPL)**. Estimates for this population are based on a subset of survey respondents living at or below 200% of the federal poverty guidelines which approximates people potentially eligible for publicly funded treatment services. The proportion of persons in poverty is not updated from the 1990 census data but is adjusted with changes in age, sex, and race.

Estimates of Substance Use, Disorder, and Need for Treatment

Table 2 presents current, one-year, and lifetime estimates for a variety of alcohol and drug measures. Within each of the columns is a presentation of the estimated number of cases and percent (the rate per 100) of adults estimated to be in need. The population base or denominators for the percentages can be found in the Total row of Table 3.

**Table 2. Estimates of Substance Use, Disorder, and Service Need
for 1998 for Thurston County**

	Entire Adult Population*		Adult Household Residents		Adults at or below 200% of Poverty	
	Cases	Rate	Cases	Rate	Cases	Rate
Need for treatment						
Current Need for Substance Treatment	14,790	10.1	14,172	9.8	3,759	11.6
Alcohol or Drug disorder	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Alcohol or Drug Use Disorder	21,454	14.6	20,724	14.3	5,322	16.5
Past 18-Month Alcohol or Drug Use Disorder	10,790	7.4	10,295	7.1	2,649	8.2
Alcohol disorder	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Alcohol Use Disorder	17,819	12.2	17,206	11.9	4,027	12.4
Past 18-Month Alcohol Use Disorder	10,032	6.8	9,593	6.6	2,254	7.0
Drug disorder	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Drug Use Disorder	7,330	5.0	6,963	4.8	2,324	7.2
Past 18-Month Drug Use Disorder	2,576	1.8	2,379	1.6	924	2.9
Alcohol use	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Alcohol	135,960	92.8	134,065	92.8	28,403	87.8
Past 18-Month Use of Alcohol	106,290	72.6	104,669	72.4	19,302	59.7
Past 30-Day Use of Alcohol	82,774	56.5	81,410	56.3	14,207	43.9
Use of any drug	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Any Illicit Drug	59,399	40.5	58,320	40.3	13,184	40.8
Past 12-Month Use of Any Illicit Drug	14,393	9.8	13,710	9.5	3,705	11.5
Past 30-Day Use of Any Illicit Drug	7,340	5.0	6,891	4.8	2,240	6.9
Marijuana use	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Marijuana	57,025	38.9	55,974	38.7	12,539	38.8
Past 12-Month Use of Marijuana	13,330	9.1	12,680	8.8	3,308	10.2
Past 30-Day Use of Marijuana	7,066	4.8	6,637	4.6	2,028	6.3
Stimulant use	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Stimulants	24,826	16.9	24,045	16.6	6,989	21.6
Past 12-Month Use of Stimulants	2,887	2.0	2,687	1.9	987	3.0
Past 30-Day Use of Stimulants	1,233	0.8	1,179	0.8	289	0.9
Cocaine use	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Cocaine	18,961	12.9	18,340	12.7	4,428	13.7
Past 12-Month Use of Cocaine	2,425	1.7	2,222	1.5	878	2.7
Past 30-Day Use of Cocaine	793	0.5	747	0.5	207	0.6

* Includes institutions and group quarters

Estimates of Current Need for Substance Abuse Services

Table 3 presents estimates of the prevalence of current need for substance abuse services by demographics. As in the previous table, the columns correspond to the total adult population, the household adult population, and adults in households at or below 200% of the Federal Poverty Level. These have current need estimates of 10.1%, 9.8%, and 11.6%, respectively. As can be seen, there is

substantial demographic variability in the estimated rates with higher estimates of need for: younger persons, men, American Indian or Alaskan Natives and Whites, those never married, high school graduates, and those living at or below 200% of poverty. Estimates are also higher for those in institutions and group quarters.

Table 3. Estimates of Current Need for Substance Abuse Treatment for Thurston County for 1998

	Entire Adult Population*			Adult Household Residents			Adults at or below 200% Poverty		
Group	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Total	14,790	146,495	10.1	14,172	144,537	9.8	3,759	32,352	11.6
Age	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
01-17	Not Available			Not Available			Not Available		
18-24	4,463	17,123	26.1	4,152	16,311	25.5	1,341	5,818	23.0
25-44	7,667	61,006	12.6	7,426	60,637	12.2	1,955	14,651	13.3
45-64	2,202	45,670	4.8	2,162	45,528	4.7	368	6,358	5.8
65+	459	22,696	2.0	432	22,061	2.0	95	5,525	1.7
Sex	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Male	9,772	70,212	13.9	9,270	69,220	13.4	2,349	13,337	17.6
Female	5,018	76,283	6.6	4,902	75,317	6.5	1,409	19,015	7.4
Ethnicity	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
White-NH	13,753	130,153	10.6	13,218	128,463	10.3	3,424	27,431	12.5
Black-NH	203	2,852	7.1	176	2,786	6.3	46	662	7.0
Asian	148	6,907	2.1	140	6,811	2.1	34	2,106	1.6
Native Am.**	341	2,008	17.0	321	1,979	16.2	158	871	18.2
Hispanic	344	4,574	7.5	317	4,498	7.0	97	1,282	7.5
Marital	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Married	5,686	92,684	6.1	5,647	92,474	6.1	1,122	14,559	7.7
Div/Sep/Wid	3,397	29,457	11.5	3,220	28,737	11.2	1,024	10,381	9.9
Never Mar	5,707	24,354	23.4	5,305	23,325	22.7	1,613	7,412	21.8
Education	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Not HS Grad	2,302	22,403	10.3	2,165	22,041	9.8	541	8,960	6.0
HS Graduate	12,488	124,091	10.1	12,008	122,495	9.8	3,218	23,392	13.8
Poverty	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Below 200%	4,333	34,154	12.7	3,759	32,352	11.6	3,759	32,352	11.6
Above 200%	10,457	112,341	9.3	10,414	112,184	9.3	0	0	.
Residence	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Residential	14,172	144,537	9.8	782,261	144,537	541.2	3,759	32,352	11.6
Institutional	401	1,085	36.9	.	0	.	0	0	.
Group quarters	217	873	24.8	.	0	.	0	0	.

* Includes institutions and group quarters

** American Indian or Alaskan Native.

Treatment Assessment Report Generation Tool

The Division of Alcohol and Substance Abuse maintains a database of services provided under its programs. This is called the Treatment Assessment Report Generation Tool (TARGET). Reporting is required for treatment agencies providing public sector contracted or funded treatment services and optional for private pay individuals served. Thus TARGET includes data on services provided by or funded by DASA. Although sometimes included in TARGET, we did not report services funded by private payment, or private insurance, or services provided by private practitioners or detoxification provided as part of a medical admission. TARGET information collection is based on establishing a baseline at admission to treatment and capturing/identifying changes to that baseline upon discharge thus providing information on progress during treatment.

The present report draws from services data in TARGET provided to the non-institutionalized population during the five-year period from 1994 through 1998. DASA services provided to prisoners through the Department of Corrections are not included in this report. The services are summarized in three types of units designated: clients, admissions, and volume.

* *Clients* designates the number of persons who have received DASA services within the year for each of the reported categories. These counts are unduplicated such that a person only counts once for a reported type of service even if they have received multiple instances of service within that type.

* *Admissions (admits)* designates the number of identified admissions to programs within a type, and can be duplicated for an individual if that person is readmitted to the same service or is admitted to a different service within the same reporting category. When a person is admitted once for services spanning the end of a year, the admission is credited proportionally to both years. Thus a person admitted on December 1 and discharged on January 31 would be counted as having half an admission in each year.

* *Volume* is a measure of contacts. For inpatient and residential services the unit of volume is the day. A day is credited for each whole or partial day in the program. A person admitted today and discharged tomorrow would count as having two days in the program. For outpatient programs the unit of volume is the contact/visit. Thus a person who had individual therapy on Monday and Friday of a week would be credited with two visits, as would a person having an individual and a group therapy visit on the same day.

We have provided summaries of service usage in two categorizations. The primary categories for reporting services are by the modality indicated on the admission record. These include a number of specific modalities such as "intensive inpatient", and "long term residential." These detailed modalities are summarized into 1) inpatient, 2) outpatient, 3) methadone and 4) total, for most tables. In addition to summaries by modality, we have provided summaries by specific type of activity within the outpatient and methadone modalities. Although not included in the summaries above, we have also included "detox," "transitional housing," and "dual diagnosis" tabulations under the category "supportive interventions."

Service Trends from TARGET Database

Table 4 presents the service summary trends for the time period from 1994 to 1998. It includes inpatient, outpatient, methadone, and total. Generally, patterns are consistent over time with some suggestion of decreased inpatient usage over time.

Table 4. Service Trends for 1994-1998 for Thurston County

Clients	1994	1995	1996	1997	1998
Inpatient Summary	193	223	285	318	314
Outpatient Summary	669	753	727	760	857
Methadone Summary	5	6	2	4	7
Total (Inpatient,Outpatient,Methadone)	803	896	910	955	1,038
Admits	1994	1995	1996	1997	1998
Inpatient Summary	213	228	304	347	340
Outpatient Summary	590	715	693	650	823
Methadone Summary	3	3	1	4	6
Total (Inpatient,Outpatient,Methadone)	806	946	998	1,001	1,169
Volume	1994	1995	1996	1997	1998
Inpatient summary - days	7,110	7,879	9,574	10,050	9,761
Outpatient summary - services	13,097	13,030	12,922	14,693	17,332
Methadone summary - services	236	96	138	172	202

Note: Total service volume is omitted because it would mix days and services.

Service Use by Modality and Activity

Table 5 presents the detailed breakout of service utilization by modality and activity. Specifically, within inpatient, outpatient, and methadone modalities, specific service activities are identified. For each modality and activity the number of clients, number of admissions, and service volumes are presented. The average volume per admission is also presented.

Table 5. Service Use by Modality and Activity for 1998 for Thurston County

SERVICE SUMMARIES	Clients	Admissions	Volume	Volume/Adm.
Inpatient Summary	314	340	9,761	28.7
Outpatient Summary	857	823	17,332	21.1
Methadone Summary	7	6	202	33.7
Any Treatment	1,038	1,169	Not appl.	Not appl.
INPATIENT	Clients	Admissions	Volume	Volume/Adm.
II -Intensive Inpatient	259	258	5,526	21.4
LT -Long Term Residential	26	23	1,356	59.0
MR -MICA Residential	14	13	851	65.5
EC -Extended Care	2	1	48	48.0
RH -Recovery House	49	45	1,980	44.0
OUTPATIENT MODALITY	Clients	Admissions	Volume	Volume/Adm.
MO -MICA Outpatient	0	0	0	.
GC -Group Care	3	2	12	6.0
OP -Outpatient	854	821	17,320	21.1
METHADONE MODALITY	Clients	Admissions	Volume	Volume/Adm.
MT -Methadone Rx	7	6	202	33.7
OUTPATIENT ACTIVITY	Clients	Admissions	Volume	Volume/Adm.
OP-I Individual	554	525	1,817	3.5
OP-G Group	825	796	13,388	16.8
OP-J Conjoint - Family with Client	17	19	33	1.7
OP-F Family without Client	52	53	125	2.4
OP-C Childcare	33	33	570	17.3
OP-M Case Management	92	92	98	1.1
OP-A Acupuncture	0	0	0	.
OP-U Urinalysis	201	184	1,301	7.1
METHADONE ACTIVITY	Clients	Admissions	Volume	Volume/Adm.
MT-I Individual	7	8	70	9.0
MT-G Group	6	6	63	10.9
MT-J Conjoint - Family with Client	0	0	0	.
MT-F Family without Client	0	0	0	.
MT-C Childcare	0	0	0	.
MT-M Case Management	0	0	0	.
MT-A Acupuncture	2	1	62	45.1
MT-R Methadone Adjustment	1	1	1	1.0
MT-U Urinalysis	3	1	6	4.6
SUPPORTIVE INTERVENTIONS (Not in Summary)	Clients	Admissions	Volume	Volume/Adm.
DX -Detox	234	308	1,078	3.5
TH -Transitional Housing	0	0	0	.
DD -Dual Diagnosis	9	7	120	17.1

Service Use by Demographics

The next two tables present service summaries for modalities by demographics. Table 6 presents summaries for inpatient and outpatient services. Table 7 presents summaries for methadone and total substance abuse services.

**Table 6. Inpatient and Outpatient Substance Abuse Services
by Demographics for 1998 for Thurston County**

St/Co total	Inpatient			Outpatient		
	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Total	314	340	9,761	857	823	17,332
Age	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-17	37	40	896	263	297	3,215
18-24	59	65	1,722	93	91	2,004
25-44	187	202	6,021	441	380	10,967
45-64	31	33	1,122	59	55	1,143
65+	0	0	0	1	0	3
Sex	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Male	208	234	6,663	531	522	9,449
Female	106	106	3,098	326	301	7,883
Race/ethnicity	Clients	Admissions	Volume*	Clients	Admissions	Volume*
White-NH	256	277	7,853	707	664	14,035
Black-NH	12	12	261	36	37	805
Asian	4	3	73	19	22	488
Native Am	26	30	921	56	55	1,205
Hispanic	16	18	653	39	45	799
Marital status	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Married	24	25	780	90	89	2,079
Sep/Wid/Div	98	97	3,126	253	214	6,050
Single	192	218	5,855	514	520	9,203
Education	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Not HS Grad	137	144	4,056	464	470	8,326
H.S. Graduate	177	196	5,705	393	353	9,006
Household income	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-1500/mo	307	333	9,625	808	779	16,136
1501-5000	7	7	136	48	42	1,166
5001+	0	0	0	1	2	30
Residence	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Household	243	258	7,396	760	733	15,480
Institutional	11	11	468	14	15	278
Group quarters	60	71	1,897	83	75	1,574

* Inpatient volume is days. Outpatient volume is service contacts.

** American Indian or Alaskan Native.

**Table 7. Methadone and Total Substance Abuse Services
by Demographics for 1998 for Thurston County**

St/Co total	Methadone			Total (In/Out/Meth)		
	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Total	7	6	202	1,038	1,169	Not appl.
Age	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-17	0	0	0	279	337	Not appl.
18-24	0	0	0	132	156	Not appl.
25-44	6	4	197	545	586	Not appl.
45-64	1	2	5	81	90	Not appl.
65+	0	0	0	1	0	Not appl.
Sex	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Male	2	2	32	652	758	Not appl.
Female	5	4	170	386	411	Not appl.
Race/ethnicity	Clients	Admissions	Volume*	Clients	Admissions	Volume*
White-NH	7	6	202	848	947	Not appl.
Black-NH	0	0	0	46	49	Not appl.
Asian	0	0	0	22	25	Not appl.
Native Am	0	0	0	72	85	Not appl.
Hispanic	0	0	0	50	63	Not appl.
Marital status	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Married	1	1	22	107	115	Not appl.
Sep/Wid/Div	4	3	144	313	314	Not appl.
Single	2	2	36	618	740	Not appl.
Education	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Not HS Grad	1	0	115	539	614	Not appl.
H.S. Graduate	6	6	87	499	555	Not appl.
Household income	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-1500/mo	7	6	202	986	1,118	Not appl.
1501-5000	0	0	0	51	49	Not appl.
5001+	0	0	0	1	2	Not appl.
Residence	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Household	7	6	202	893	997	Not appl.
Institutional	0	0	0	24	26	Not appl.
Group quarters	0	0	0	121	146	Not appl.

* Methadone volume is service contacts. No volume is provided for Total.

** American Indian or Alaskan Native.

Comparisons of Need and Services Funded through DASA

The last analysis presented in this report is a comparison of rates of estimated need for services with rates of utilization of services. This comparison of use to need, in which the number of persons being served is presented as a percentage of the number of persons estimated to be in need, is called *met need*. To the extent that met need falls short of 100%, the shortfall is called *unmet need*.

This comparison is presented in Table 8 to facilitate identification of populations which are using fewer services than would be expected from the estimated need. Statewide, the use to need rate tends to run around 20%, suggesting a rather large amount of unmet need for treatment. However, the services identified in this comparison are only from the public sector. It is reasonable to expect that the private sector, either through insurance or self-pay, would meet some additional proportion of the estimated need. On the other hand, the estimates of need used in the comparison came only from households at or below 200% of the poverty level, who may lack any alternative to public services.

The comparisons show that some groups have less unmet need than others. This occurs in part because some populations are more likely to seek treatment than others and some programs may be better in their outreach to some populations than others. The differences may also be the result of the true local rate of need being greater or less than the estimates provided.

Table 8. Rates of Current Need for Treatment, Use of DASA Treatment Services, and Ratio of Use to Need by Demographics for Thurston County Adults Living in Households, 1998

	At or below 200% of Poverty			DASA Target Clients		Need Met by DASA(%)
	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Total	32,352	3,759	11.6	626	1.9	16.7
Age	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
18-24	5,818	1,341	23.0	102	1.8	7.6
25-44	14,651	1,955	13.3	456	3.1	23.3
45-64	6,358	368	5.8	67	1.1	18.2
65+	5,525	95	1.7	1	0.0	1.1
Sex	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Male	13,337	2,349	17.6	355	2.7	15.1
Female	19,015	1,409	7.4	271	1.4	19.2
Race/ethnicity	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
White-NH	27,431	3,424	12.5	512	1.9	15.0
Black-NH	662	46	7.0	27	4.1	58.6
Asian	2,106	34	1.6	9	0.4	26.3
Native Am.*	871	158	18.2	49	5.6	30.9
Hispanic	1,282	97	7.5	29	2.3	30.0
Marital	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Married	14,559	1,122	7.7	98	0.7	8.7
Sep/Wid/Div	10,381	1,024	9.9	261	2.5	25.5
Single	7,412	1,613	21.8	267	3.6	16.6
Education	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Below HS	8,960	541	6.0	233	2.6	43.1
HS Grad	23,392	3,218	13.8	393	1.7	12.2

* American Indian or Alaskan Native.

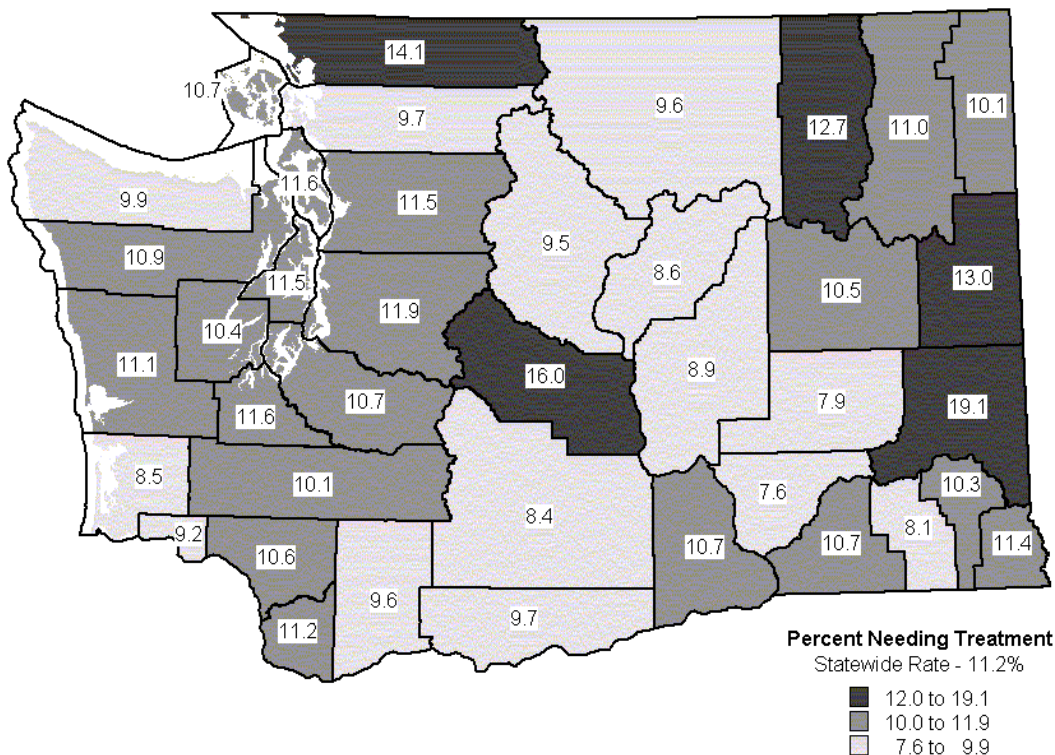
Table 9 presents the trends in the relationship between estimated need for services by adults at or below 200% of poverty and the utilization of services by services eligible adults. Youth below age 18 were not included in these comparisons because they were not included in the WANAHS survey. Although the estimated numbers in need of services change with fluctuations in the population, the overall rates of need remain relatively stable in most counties. There is somewhat more variation over time in the reported use of services and consequently in the use to need ratio.

Table 9. Rates of Current Need for Treatment, Use of DASA Treatment Services, and Ratio of Use to Need for Thurston County Adults Living in Households by Year

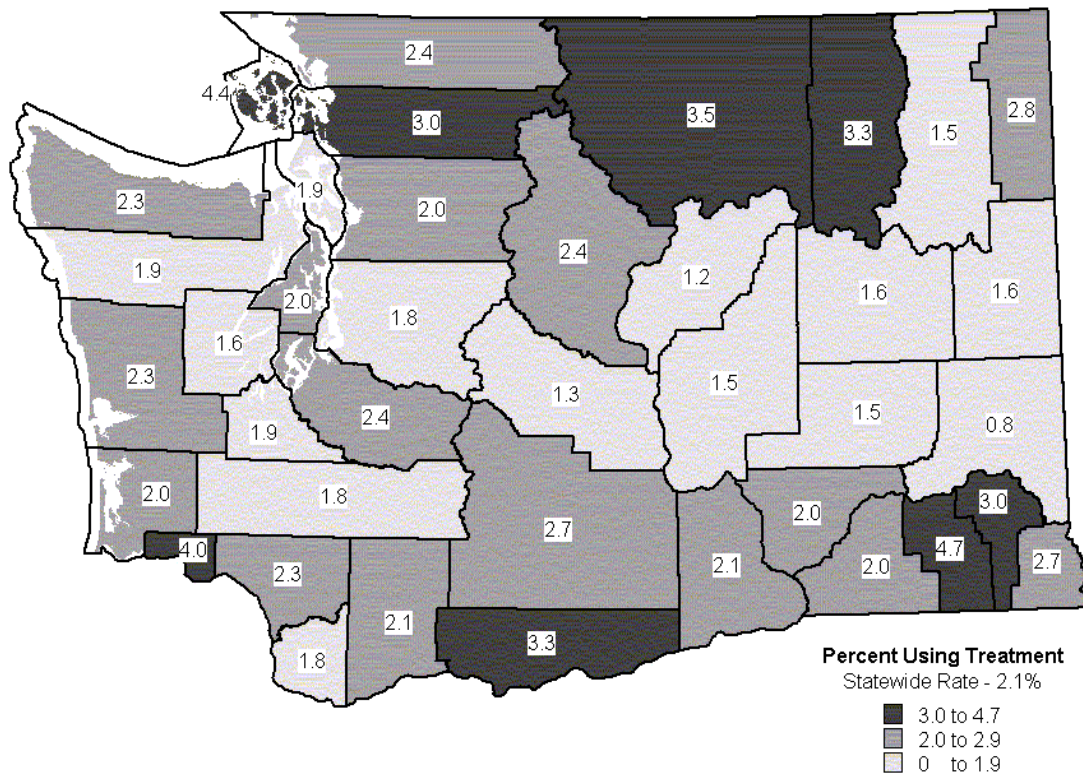
	At or below 200% of Poverty			DASA Clients		Need Met by DASA(%)
	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Adults-1994	30,346	3,604	11.9	379	1.2	10.5
Adults-1995	30,806	3,629	11.8	525	1.7	14.5
Adults-1996	31,372	3,664	11.7	599	1.9	16.3
Adults-1997	32,046	3,733	11.6	594	1.9	15.9
Adults-1998	32,352	3,759	11.6	626	1.9	16.7

The distribution of estimated current need for substance treatment, treatment provided by DASA, and the percentage of need met by DASA are presented in the following maps for the year 1998. These estimates are for the adult population in households and are based on the demographic composition of the counties.

**Current Need for Substance Abuse Treatment Services
Among Adults Living in Households At or Below 200% FPL, 1998**



Use of DASA-funded Treatment Services by Adults Living in Households, 1998



Ratio of Adults Using DASA-funded Treatment to Adults Currently Needing Treatment Among Those Living in Households At or Below 200% of FPL, 1998

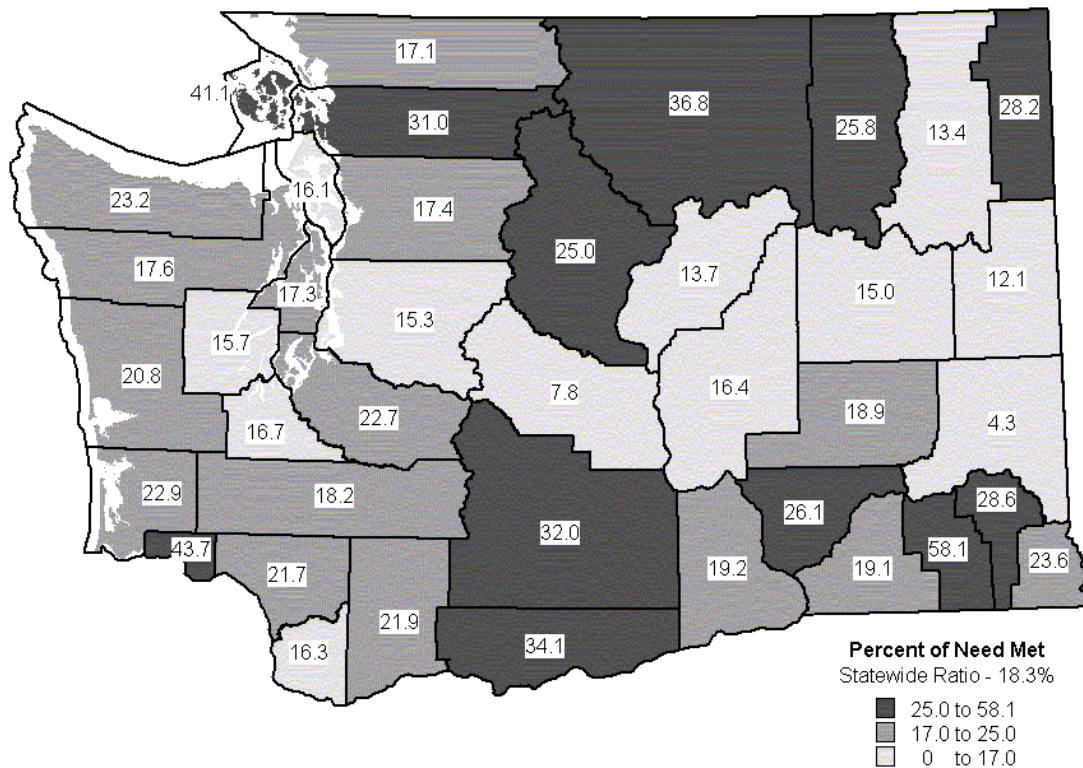
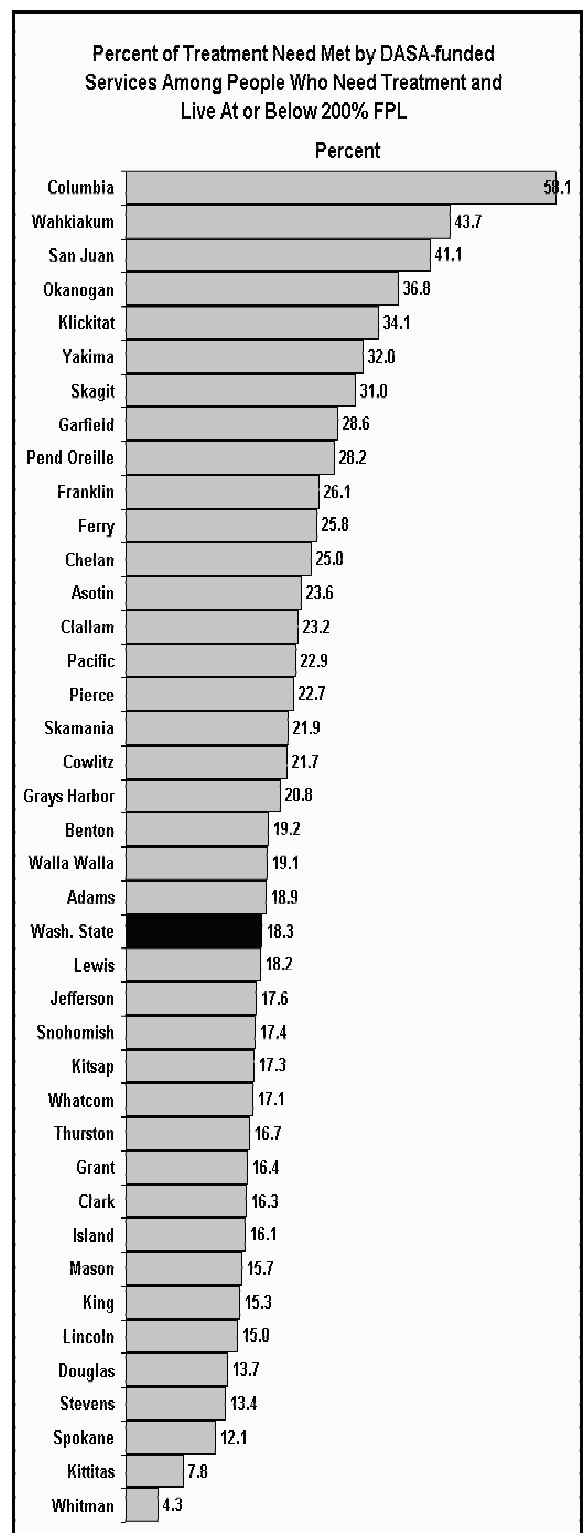


Table 10. Rates of Current Need for Treatment, Use of DASA Treatment, and Ratio of Use to Current Need by County for Washington State Adults Living in Households at or Below 200% FPL, 1998

County	Adults Living At or Below 200% FPL					
	Total	Need Treatment		Use DASA Treatment		Use/Need
		Number	% of Total	Number	% of Total	Percent
Wash. State	962,573	107,823	11.2	19,755	2.1	18.3
Adams	4,534	359	7.9	68	1.5	18.9
Asotin	4,340	496	11.4	117	2.7	23.6
Benton	23,549	2,528	10.7	486	2.1	19.2
Chelan	15,250	1,450	9.5	363	2.4	25.0
Clallam	14,071	1,398	9.9	325	2.3	23.2
Clark	53,015	5,939	11.2	969	1.8	16.3
Columbia	1,190	96	8.1	56	4.7	58.1
Cowlitz	19,047	2,011	10.6	437	2.3	21.7
Douglas	7,331	630	8.6	86	1.2	13.7
Ferry	2,024	256	12.7	66	3.3	25.8
Franklin	13,390	1,012	7.6	264	2.0	26.1
Garfield	508	52	10.3	15	3.0	28.6
Grant	20,624	1,843	8.9	303	1.5	16.4
Grays Harbor	16,915	1,874	11.1	389	2.3	20.8
Island	11,210	1,295	11.6	209	1.9	16.1
Jefferson	6,200	677	10.9	119	1.9	17.6
King	212,311	25,212	11.9	3,845	1.8	15.3
Kitsap	31,264	3,587	11.5	620	2.0	17.3
Kittitas	8,593	1,379	16.0	108	1.3	7.8
Klickitat	5,248	508	9.7	173	3.3	34.1
Lewis	16,604	1,685	10.1	307	1.8	18.2
Lincoln	2,408	253	10.5	38	1.6	15.0
Mason	9,902	1,029	10.4	161	1.6	15.7
Okanogan	12,441	1,196	9.6	440	3.5	36.8
Pacific	6,292	538	8.5	123	2.0	22.9
Pend Oreille	3,160	319	10.1	90	2.8	28.2
Pierce	110,913	11,884	10.7	2,695	2.4	22.7
San Juan	1,905	204	10.7	84	4.4	41.1
Skagit	17,191	1,672	9.7	519	3.0	31.0
Skamania	2,323	224	9.6	49	2.1	21.9
Snohomish	66,860	7,657	11.5	1,335	2.0	17.4
Spokane	86,087	11,150	13.0	1,346	1.6	12.1
Stevens	9,833	1,083	11.0	145	1.5	13.4
Thurston	32,352	3,759	11.6	626	1.9	16.7
Wahkiakum	870	80	9.2	35	4.0	43.7
Walla Walla	11,174	1,195	10.7	228	2.0	19.1
Whatcom	29,796	4,201	14.1	718	2.4	17.1
Whitman	10,062	1,925	19.1	83	0.8	4.3
Yakima	61,787	5,166	8.4	1,652	2.7	32.0



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